	FORM 374	U.S. NUCLEAR REGULATO	RY COMMISSION	PAGE1OF4PAGES				
		MATERIALS	LICENSE					
of I here sou deli- shal	Federal Regulations, Chapter I, Parts 30 etofore made by the licensee, a license is rce, and special nuclear material design wer or transfer such material to persons a Il be deemed to contain the conditions s licable rules, regulations, and orders of t	 31, 32, 33, 34, 35, 36, shereby issued authorizing ated below; to use such nuthorized to receive it in acceptable. 	39, 40, and 70, and in right the licensee to receive naterial for the purpose (ccordance with the regul f the Atomic Energy Act	974 (Public Law 93-438), and Title 10, Code reliance on statements and representations e, acquire, possess, and transfer byproduct, (s) and at the place(s) designated below; to lations of the applicable Part(s). This license t of 1954, as amended, and is subject to all after in effect and to any conditions specified				
	Licensee							
l	Department of the Army J.S. Army Soldier and Biological Command	Chemical AR F	3. License number 1	19-30563-01				
2. <i>F</i>	ATTN: AMSSB-RCB-RS		4. Expiration date October 31, 2010					
1	Aberdeen Proving Ground, MD 2	1010-5424	5. Docket No. 030-35349					
	L	EN TO	Reference No. 12	2-00722-06				
6.	Byproduct, source, and/or special nuclear material	7. Chemical and/o	11/6/2	Maximum amount that licensee may possess at any one time under this license A. Not to exceed 300 microcuries				
А	Americium 241	A Plated Foils	Amersham Corn					
Α.	Americium 241	A. Plated Foils (Model No. Al		per source and 25 curies total				
	Americium 241 Nickel 63	Model No. Al B. Plated Foils (MM1001) (AEA Technology los. NBC, NBCD					
В.	LLA	Model No. Al B. Plated Foils (PLC Model N	(AEA Technology los. NBC, NBCD 1) (DuPont Merck 004R or	per source and 25 curies total B. Not to exceed 15 millicuries pe				

To be used in Model CAM or ICAM Chemical Agent Monitor for aerosol, gas and vapor

C.

detection.

NRC I	FORM	374A
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U.S.	NUCI FAR	REGULATORY	COMMISSION

License Number 19-30563-01

Docket or Reference Number

PAGE

PAGES

030-35349 12-00722-06

MATERIALS LICENSE SUPPLEMENTARY SHEET

CONDITIONS

- 10. Licensed material listed in Item 6.A. through 6.C may be stored at the Pine Bluff Arsenal, Pine Bluff, Arkansas, Rock Island Arsenal, Rock island, Illinois and at Blue Grass Army Depot, Richmond, Kentucky and used by the U.S. Army, Active and Reserve, and National Guard on Department of Defense installations and temporary job sites throughout the United States and any other location where the Commission maintains jurisdiction for regulating the possession and/or use of licensed material.
- Licensed material shall be used by, or under the supervision of, Joyce E. Kuykendall or U. S. Army and National Guard civilian and/or military personnel trained in accordance with application dated March 9, 2000.
- 12. The Radiation Safety Officer for this license is Joyce E. Kuykendall.
- 13. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State.
 - B. In the absence of a certificate from a transferor indicating that a leak test has been made, within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.
 - C. Sealed sources need not be tested if they are in storage and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
 - D. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2) and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.
 - E. Tests for leakage and/or contamination, limited to leak test sample collection, shall be performed by the licensee or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services. The licensee is not authorized to perform the analysis; analysis of leak test samples must be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.

NRC FORM 374A	U.S. NUCLEAR REGULATORY COMMISSION		PAGE	3	of	4	PAGES
		License Number 19-30563-01					
	MATERIALS LICENSE SUPPLEMENTARY SHEET	Docket or Reference Number 030-35349 12-00722-06					

- F. Records of leak test results shall be kept in units of microcuries and shall be maintained for 3 years.
- 14. Except for maintaining labeling as required by 10 CFR Part 20 or 71, the licensee shall obtain authorization from the U.S. Nuclear Regulatory Commission before making any changes in the sealed source, device, or source-device combination that would alter the description or specifications as indicated in the respective Registration Certificates issued either by the Commission pursuant to 10 CFR 32.210 or by an Agreement State.
- 15. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
- 16. The licensee shall conduct a physical inventory every 12 months, or at other interval approved by the U.S. Nuclear Regulatory Commission, to account for all sealed sources and/or devices received and possessed under the license.
- 17. The licensee shall not acquire licensed material in a sealed source or device unless the source or device has been registered with the U.S. Nuclear Regulatory Commission pursuant to 10 CFR 32.210 or equivalent regulations of an Agreement State.
- 18. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
- Maintenance operations on the Chemical Agent Detectors, Monitors or Alarms will
 not include or involve any repair or contact with the nickel-63 plated source or americium-241 plated
 source.
- Notwithstanding the color requirements in 10 CFR 20.1901 (a) the licensee is authorized to label fielded items of equipment with colors as described in letter received October 18, 2000.
- 21. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
 - A. Application dated March 9, 2000
 - B. Letter dated June 30, 2000

NRC FORM 374A

U.S. NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE

SUPPLEMENTARY SHEET

PAGE

4

of 4 PAGES

License Number 19-30563-01

Docket or Reference Number 030-35349

12-00722-06

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For the U.S. Nuclear Regulatory Commission

Date

October 18, 2000

Thomas K. Thompson

Nuclear Materials Safety Branch 1 Division of Nuclear Materials Safety

Region I

King of Prussia, Pennsylvania 19406

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